

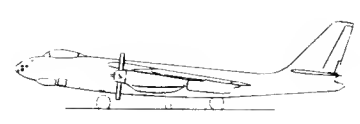
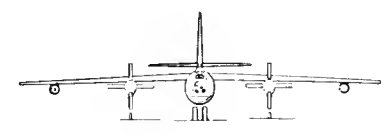
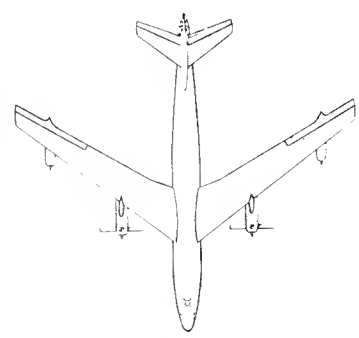
Unclassified  
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A-1  
(X) B-47D/cia  
(Security Information)

EXPERIMENTAL

# Characteristics Summary

BOMBER.....XB-47D



BOEING

Wing area.....1428 sq ft      Length.....106.8 ft  
Wing Span.....116.0 ft      Height.....27.9 ft

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

## STATUS

- |                               |  |
|-------------------------------|--|
| 1. Design Initiated: Feb 51   | 5. First Acceptance: Feb 54 (est)            |
| 2. Contract Approval: Apr 51  | 6. Phase II contract for one prototype only. |
| 3. Mock-up: Jan 52            | 7. XB-47D developed from B-47B               |
| 4. First Flight: Aug 53 (est) |  |
- Navy Equivalent: None      Mfr's Model:

POWER PLANT	
(2) YT49-W-1 Wright	
ENGINE RATINGS	
S.L.S.	SHP - LB - RPM - MIN
T.O.	9000 - 3450-8000-5
Mil:	9000 - 3450-8000- 30
Nor:	8250 - 3000-7700 -Cont
plus	
(2) J47-GE-23 General Electric	
S.L.S.	LB - RPM - MIN
Max:	*6090 - 7950 - 5
Mil:	*5850 - 7800 - 30
Nor:	*5590 - 7630 - Cont
* No inlet screens	

FEATURES	
Crew:	3
Cabin Pressurization	
Bicycle Landing Gear	
Reverse Thrust Props	
Anti-skid Brakes	
Emergency Brakes Para-chute	
Thermal Anti-icing	
Bombing & Navigation Radar	
Single Point Ground and Air to Air Refueling	
Max Fuel Cap: 17,325 gal	

ARMAMENT	
Turrets:	1
Guns:	2 x 20mm
Ammunition(total)	600 rds
Max Bomb Load:	1x22,000lb
Max Bomb Size:	22,000 lb
Note: Airplane is to be de-livered as a test bed with no tactical equipment. Perf-ormance data shown is based on the airplane with tactical equipment installed.	

6 NOVEMBER 1952

SECRET

XB-47D

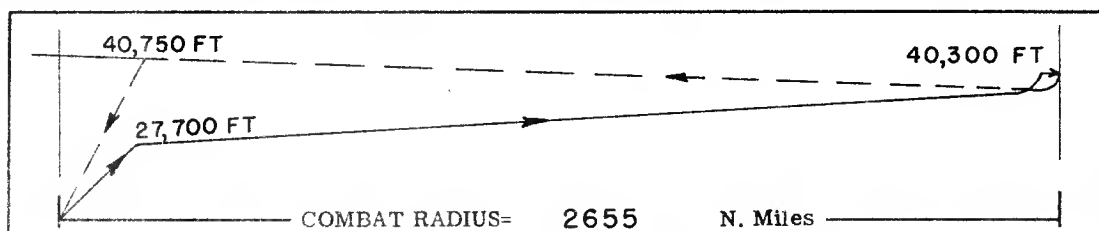
Revised to reflect latest performance and conform to MIL-17-5C11A 13JUN53

Classification cancelled or changed to Unclassified  
Auth: AFSC AFSC Class. Change 1 Jan 64  
By: A.R. Donahoe 1 Apr 64  
Signature and Grade 30 Feb 67

3rd Ed 13 March 53 53 MC-72000

EXPERIMENTAL

S E C R E T

*Characteristics Summary Basic Mission* . . . . . XB-47D**PERFORMANCE**

COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
2655 naut. mi with 10,000 lb payload at 380 knots avg. in 14.15 hours.	5155 naut. mi with 10,000 lb payload at 380 knots avg. in 13.65 hours.	479 knots at 35,000 ft alt, max power <b>MAXIMUM SPEED</b> 522 knots at 12,000 ft alt, max power
CLIMB	CEILING	TAKE-OFF
3300 fpm sea level, take-off weight maximum power	35,600 ft 100 fpm, take-off weight maximum power	ground run 4950 ft no assist   — ft assisted
5350 fpm sea level, combat weight maximum power	41,300 ft 500 fpm, combat weight maximum power	over 50 ft height 6250 ft no assist   — ft assisted
LOAD	WEIGHTS	STALLING SPEED
Bombs: 10,000 lb	Empty..... 81,990 lb Combat... 123,200 lb Take - off 180,000 lb limited by strength	140 knots flaps down, take-off weight <b>TIME TO CLIMB</b> —
Fuel: 13,019 gal protected 100 % droppable 0 % external 0 %		

**NOTES**

## 1. PERFORMANCE BASIS:

- (a) Estimated data (not substantiated by VADC)
- (b) J47-GE-23 engines inoperative during cruise
- (c) Performance as shown is for XB-47D after installation of tactical equipment

## 2. REVISION BASIS: Initial Issue (Based on MIL-C-5011)

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 Wright-Patterson Air Force Base  
 Ohio 45433  
 NOVEMBER 1952

XB-47D

S E C R E T